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Abstract of JP2001007764

PROBLEM TO BE SOLVED: To provide a power control system for a cellular communication system which can appropriately control transmitter power, so that do not occur by controlling the transmission power of a wireless transmitter in relation to the number N of ACK expected for radio transmission via a wireless link.

SOLUTION: A wireless unit 12 is connected to a wireless network 18 by using a wireless MODEM(WM). The WM transmits a radio packet and detects ACK (affirmation response) from an access point(AP) 24. A power control system is constituted in the wireless unit 12. The power control system decides a packet loss rate(PLR) as the number of lost ACK/the number of expected ACK for the WM. When the PLR is larger than a first threshold, the power control system increases the transmission power of the wireless unit 12. When the PLR is smaller than a second threshold, transmission power is reduced.

